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## ~~INFORMATION DISCLOSURE STATEMENT BY APPLICANT~~

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Substitute for form 1449/PTO		<i>Complete if Known</i>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	10/722,812	
		Filing Date	November 26, 2003	
		First Named Inventor	SON, Se Hwan	
		Art Unit	1774	
		Examiner Name	M.R. Yamnitzky	
Sheet	1	2	Attorney Docket Number	29137.051.00 US

## U.S. PATENT DOCUMENTS

Examiner Signature		Date Considered	
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Sheet

2

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		JP 07-11249 A	01/13/1995	Mitsui Petrochem Ind. Ltd	English Abstract	<input type="checkbox"/>
		JP 2005-167175	06/2003	Novaled GMBH	English Abstract	<input type="checkbox"/>
		JP-06-163158 A	06/10/1994	Pioneer Elec. Co.	English Abstract	<input type="checkbox"/>
		KR-10-2000-0082085	12/26/2000	LG Chem Investments, Ltd.	English Abstract	<input type="checkbox"/>
		KR 10-2003/0067773 A	08/19/2003	LG Chemical Ltd.		<input type="checkbox"/>
		PCT/KR00/01537	12/21/2000	LG Chemical		
		PCT/KR/2005-001381	05/11/2005	LG Chem. Ltd.		
		WO 03/012890 A2	02/2003	Technische Universitat		

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Kim, J.S. et al., "Indium-tin oxide treatment for single- and double-layer polymeric light-emitting diodes: The relation between the anode physical, chemical, and morphological properties and the device performance", Journ. of Applied Physics, Vol. 84, No. 12, pp. 6859-70 (Dec. 1998).	
		Kruger, Jessica et al., "Modification of TiO <sub>2</sub> Heterojunctions with Benzoic Acid Derivatives in Hybrid Molecular Solid-State Devices," Advanced Materials, Vol. 12, pp. 447-51 (2000).	
		Pertse, Koen et al., "Towards Organic N-Type Semi-Conducting Materials", Polymer preprint, 40, pp. 404-5 (1999).	
		G. Gu, et al., "Transparent Organic Light Emitting Devices", Applied Physics Letters, vol. 68 (19), p. 2606-2608 (May 1996).	
		G. Parthasarathy, et al. "A Metal-Free Cathode for Organic Semiconductor Devices" Applied Physics Letters, vol. 72, (17), pp. 2138-2140 (April 1998)	
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		Chien-Wei Chen, et al. "An Effective Cathode Structure for Inverted Top-Emitting Organic Light-Emitting Devices", Applied Physics Letters, vol. 85 (13), pp. 2469-2471 (Sept. 2004).	
		Jie Liu, et al. "Efficient Bottom Cathodes for Organic Light-Emitting Devices", Applied Physics Letters, vol. 85 (5), pp. 837-839 (August 2004).	
		Chang et al., "Dual-color polymer light-emitting pixels processed by hybrid inkjet printing", Applied Physics Letters, 73 (18), pp 2561-2563 (November 1998).	
		Birnstock et al., "Screen-printed passive matrix displays based on light-emitting polymers", Applied Physics Letters, vol. 78, (24), pp. 3905-3907 (June 2001).	
		J. Cui et al., "Indium Tin Oxide Alternatives - High Work Function Transparent Conducting Oxides As Anodes For Organic Light-Emitting Diodes", pp. 1476-1480, Advanced Materials, 2001, 13, No. 19, (Oct. 2001).	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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